hf5 High-fidelity Noise-isolating earphones

User Manual

Included

- hf5 earphones with 4 ft. cable
- Assorted eartips
- Filter tool with 2 replacement filters
- Storage pouch

hf5 Identification

B

A

C

A. Earphones
B. Cable slider
C. 3.5 mm stereo plug

Caution

Consult an audiologist or physician if you have excessive ear wax, difficulty inserting the eartips, or discomfort after prolonged use.

hf5 earphones exclude most external sounds. It is unsafe to use in-ear earphones while operating a motorized vehicle, operating machinery, bicycling or jogging, because you may not be alerted to potential danger.

Do not use the earphones at excessively loud levels. Research confirms that earphones that seal the ear canal allow listeners to choose safer listening levels. Noise-induced hearing loss is a function of exposure time, the average sound level and the peak of very loud sounds.

Sealed eartips and lower listening levels allow for longer periods of safe listening time.

Performance

A full bass response depends on proper earphone insertion.
For best results, earphones must seal in the ear canals.

Proper Care

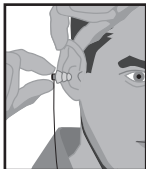
- Do not expose the earphones to extreme temperatures.
- Avoid dropping and strong impact.
- Leave eartips on the earphones for shock protection.
- Do not pull on the cord to remove the earphone from the device or the ear.
- Clean or replace flanged eartips prior to use by others.
- Replace disposable foam eartips regularly.
- Clean or replace flanged eartips every 6-12 months.

Cleaning the Eartips

1. Remove the eartip.
2. Clean with water and mild soap.
3. Dry the eartip.
4. Replace the eartip.

Insertion

Flanged eartip insertion

- To ease insertion, moisten the flanged eartips.
- Carefully insert one earphone at a time while pulling up and out on the back of the ear.
- Earphones should seal comfortably in the ear canals.

For a video on proper earphone insertion go to www.etymotic.com.

Foam eartip insertion

- Use a foam eartip if a good seal cannot be obtained with a flanged eartip.
- Roll down or compress foam eartips before inserting. Hold the eartip in place for about 5 seconds while the foam expands to create a tight seal in the ear canal.

Removal

Remove earphones *slowly* with a twisting motion to gradually break the seal. Do not pull on the cable to remove the earphones.

Filters

hf5 earphones have special filters that smooth the frequency response and prevent earwax from entering the earphones. A filter is located at the end of the earphone and is visible when the eartip is removed. If a filter becomes clogged, it should be replaced. A dirty filter will reduce earphone output. A filter should be changed if the loudness decreases or the sound quality declines.

Note: Filters are not reusable.

Filter Removal

1. Remove Eartip.

2. Insert tool into the filter.

3. Remove filter.

Filter Replacement

1. Insert a new filter and press gently against a hard surface to secure it in place.

2. Re-attach eartip.

Cable Slider

hf5 earphones can be worn with the cables in
front or in back of the head. The cable slider can be adjusted
by moving it up or down for a snug fit.

Specifications

Frequency response: 20 Hz -15 kHz
Noise isolation: 35- 42 dB (depending on eartip used)
Acoustic polarity: + electrical = + acoustic
Transducer type: Balanced armature
Sensitivity (1 kHz): 105 dB SPL for a 0.1 VRMS input
Impedance: 16 Ohms (nominal)
Maximum output: 120 dB SPL
Maximum continuous input: 0.55 VRMS
Cable: 4 ft
Weight: less than 1 oz

Etymotic Research, Inc.

Etymotic Research has spent twenty-five years developing in-ear technology for auditory research, precision monitoring and critical listening. Etymotic has developed many innovative hearing technologies available today. Etymotic's products are used by musicians and others who insist on superior sound quality. Etymotic means "true to the ear."

Warranty

Etymotic Research, Inc. warrants this product against defects in material or workmanship for a period of two years from the date of original purchase from an authorized Etymotic distributor or reseller.

Etymotic will repair or replace the defective product at its option if returned within the warranty period to our designated service facility. This warranty is in lieu of all other warranties, expressed or implied, including, but not limited to, any implied warranty of merchantability or fitness for a particular purpose.